

The first report of *Nervilia lilacea* Jum. & H. Perrier (Orchidaceae, Epidendroideae) from Kenya and the Northern Hemisphere

Jing Tian^{1,2}, Vivian Kathambi^{1,2,3}, Peris Kamau⁴, Geoffrey Mwachala⁴,
Itambo Malombe⁴, Guang-Wan Hu^{1,2}

1 CAS Key Laboratory of Plant Germplasm Enhancement and Specialty Agriculture, Wuhan Botanical Garden, Chinese Academy of Sciences, Wuhan 430074, Hubei, China **2** Sino-Africa Joint Research Center, Chinese Academy of Sciences, Wuhan 430074, Hubei, China **3** University of Chinese Academy of Sciences, Beijing 100049, China **4** East African Herbarium, National Museums of Kenya, P.O. Box 451660-0100, Nairobi, Kenya

Corresponding author: Guang-Wan Hu (guangwanhu@wbgcas.cn)

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Abstract

Nervilia lilacea is recorded from Kenya as well as the Northern Hemisphere for the first time. A plate of ink drawing and a distribution map are provided based on the new collection.

Keywords

Flora of Kenya, illustration of *Nervilia lilacea*, new record, Orchidaceae, taxonomy

Introduction

Nervilia Commerson ex Gaudichaud-Beaupré in Freycinet (1829: 421) comprises ca. 80 species, distributed from tropical, subtropical and warm temperate regions of Africa, Asia, Australia, and the Southwest Pacific islands (Govaerts et al. 2019). There are 15 species of *Nervilia* recorded in Africa (Govaerts et al. 2019). Among these spe-

cies, five of them have been recorded in Kenya (Petersson 1990, 1991; Stewart and Campbell 1996; Olszewski 2004; Nusbaumer et al. 2011; Govaerts et al. 2019). In April 2018, during a field survey in Nandi Forest, *N. lilacea* Jumelle & Perrier (1912: 197) was collected from Kenya (the northern side of the equator) for the first time. We report it here with a plate of ink drawing and a distribution map based on the new collection.

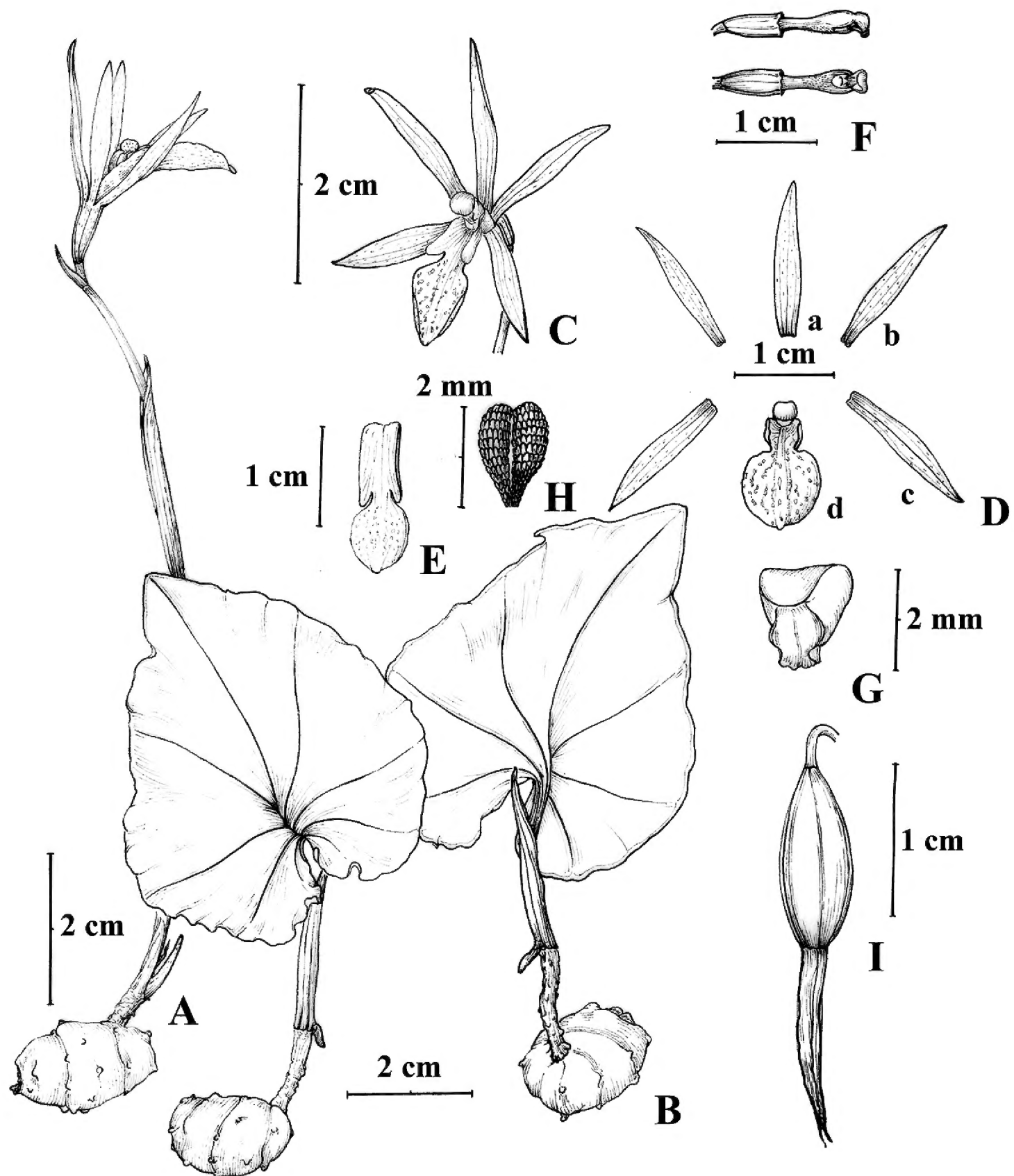


Figure 1. *Nervilia lilacea* **A** plant with flower **B** plant with leaf (adaxial and abaxial leaf) **C** flower, frontal view **D** floral pieces dissected (**a** dorsal sepal **b** lateral petal **c** lateral sepal **d** lip) **E** lip **F** column, lateral and ventral view **G** anther **H** pollinia **I** capsule (Jing Tian drew it from FOKP-1530 specimen).

New record

Nervilia lilacea Jum. & H.Perrier, Ann. Fac. Sci. Marseille 21(2): 197, 1912

Fig. 1

= *Nervilia gassneri* Borge Pett. in Nord. J. Bot. 9: 492. 1990. Type. MALAWI: Southern Prov., Zomba Distr., Zomba Plateau, 1530 m, 15 July 1984. *Petersson and Gassner* 359 (holotype: UPS, image seen!; isotype: BP, K, image seen!, LISC, LMU, MAL, NHT, SRGH).

Type. MADAGASCAR: Centre, massif de Manonarivo, bois humides, 1000 m, fl., *Perrier de la Bâthie* 1873 (holotype: P [P00094725], image seen!).

Specimens examined. KENYA. Nandi North District, Spetonok, 0°22'32"N, 35°00'29"E, elevation 2000 m, 22 April 2018, *FOKP-1530* (EA, HIB).

Distribution. Madagascar, Malawi, South Africa, Tanzania, Zambia, Zimbabwe, Kenya (new record). (Fig. 2)

Habitat and phenology. Tropical rain forest floor margins at elevation 200–2000 m a.s.l.. Flowering from March to April was observed in Kenya.

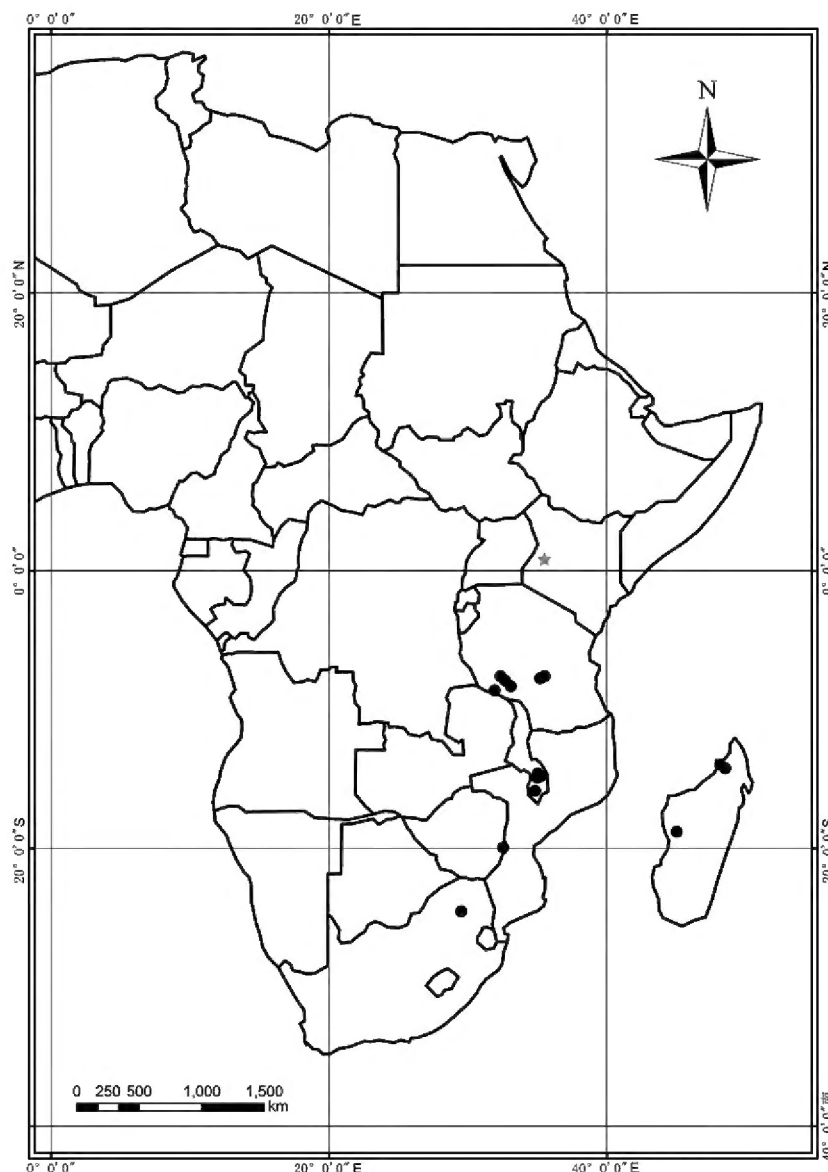


Figure 2. Distribution map of *Nervilia lilacea*, with the new collection *FOKP-1530* shown by a red star [other points re-drawn after Petersson (1990, 1991) and specimen records]

Acknowledgments

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